CDF DB: Present and Future

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Where we are

- **all hardware is (hopefully) final – should last until the end of CDF**

- **no big schema changes foreseen (except a few new tables)**

- **no new API work**

- **Frontier in production since fall 2005**

  (although still many jobs use 5.3.4 where it's in only partially)

CDF API layer

- **will still need** *occasional* **help from Dennis**

- **will still need to clean up DB references in .tcl files**

- **work still needed in Trigger DB**

- **waiting for old CDF releases (this time 5.3.4) to go away**

Possible near-term tweaks

- **script to calculate luminosity (Rick St.D.)**

- **trigger prescale info (Jonathan Lewis + help)**

Continuing needs for DBA services

- **24x7 support of the main production machines**

- **applying patches when needed**

- **streams replication**

- **table analysis**

- **troubleshooting occasional problems**

Manpower shortage on CDF end

CDF side seriously understaffed!

▶ **no tactical depth**

▶ **little committed expertise among physicists**

▶ **Mat Martin gone, I'm trying hard to disappear**

⟹ **need to recruit more people/groups!**

Need to work out procedures in more detail

Example: upgrading to a new version of Oracle

1. **ofdev is upgraded as an exercise**

2. **ofint is refreshed from production (and thus is "current", so that we can do tests)**

3. **ofint is upgraded too**

4. **testing: we do all the testing we need on ofint**

5. **we sign off on the upgrade (what happens if we don't?)**

6. **ofpr2 & replica are upgraded too**

CDF would like to extend (4) for longer than a week or two...

Conclusions

- largely coasting, little or no new work

- relying on support from DSG, REX

- need more semi-expert manpower